

Pole-to-Pole Observations of the Magnetic Field by Ulysses

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Ulysses has completed its traversal of the Sun's polar regions. In addition, it has executed a "fast latitude scan" from 70°S to 70°N. The complete set of observations reveal basic properties of the magnetic fields in the southern hemisphere, the equatorial region and the northern hemisphere. Basic measurables have been obtained including B , B_r , the spiral angle, the north-south field angle and variances in the magnitude and components. The ever-present fluctuations have been analyzed from several points of view, as waves, turbulence, and discontinuities, to establish their radial and latitudinal dependences. These observational results will be summarized and their properties in the three regions will be compared.

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4. S}]
5. (a) SH01: Ulysses pole-to-pole
(b) 2134 (Interplanetary Msg..)
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6. N/A
7. 50%, at last two AGU meetings
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10. **None**
11. **No**